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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/658,432	09/08/2000	Lila Madour	1000-0191	2961
27902	7590	10/08/2003	EXAMINER	
ERICSSON RESEARCH CANADA 8400 DECARIE BLVD. MONTREAL, QC H4P 2N2 CANADA			LEE, CHI HO A	
			ART UNIT	PAPER NUMBER
			2663	6

DATE MAILED: 10/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/658,432

Applicant(s)

MADOUR ET AL.

Examiner

Andrew Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 September 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4-11 is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 3 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Haumont et al U.S. Patent Number 6,233,458.

Re Claim 1, fig. 6 teaches a host in a data session with a MS via GGSN2, SGSN1, BSC1, and BTS 11, wherein the IP network includes plurality of SGSN(s);

Further teaches the GGSN2 (a Packet Core Function) includes context information (storing a static lookup table) that indicates the address of the MS (identifier for MN) is associated with a particular SGSN SGSN1 (See col. 5, lines 10-62 & col. 5, lines 20-65, i.e., example look-up table) wherein when the SGSN1, receive packets from the Host, utilizes the table to select the SGSN1 to host the data session to the MS.

Re Claim 2, refer to Claim 1, fig. 6 includes plurality of the GGSN (PFCs), wherein it is inherent to include every GGSN with lookup tables to support routing of packets.

Allowable Subject Matter

3. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

In combination with Claims 1-3, prior art fails to teach performing a dormant handoff to handoff the MN from a source PFC to a target PFC by passing the identifier for the MN to the target PFC for selecting the PSDN.

4. Claims 4 -11 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

As prior art U.S. Patent Number 6404754 teaches the network identifying the service option in registering with the PDGN whether the mobile station is permanently assigned by an IP address and temporary assigned with an IP address by the PDGN. In particular, teaches if the PPP frame data is not transmitted in a dormant-open state, the RNC or PDGN drives a dormant timer and if expires, informs the MSC to release SVC PPP link for the mobile station.

Regarding Claims 4-5, prior art fails to storing in a cache memory in the source PCF, and identifier for the MN and an IP address for the particular PDSN for a predetermined period of time after handing off the MN.

As prior art U.S. Patent Number the upon roaming of the MS to the target radio gateway, the Target Radio Gateway informs the B-party station with timer by transmitting the default frame identifying the selected Target Radio Gateway as the gateway handling the communication to the roamed mobile station.

Regarding Claims 6-8, prior art fails to teach upon initial selection by the PFC to host a data session, sending of the IP address of the particular PDSN to the MN from PFC; and passing of the IP address of the particular from the MN to any other PFC where the MN has roamed.

Regarding Claims 9-11, prior art fails to teach the hash function that associated the identifier for the MN with the particular PDSN to select the particular PDSN to host the data session for the MN.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

U.S. Patent Number 6539225 teaches seamless data network during mobile handoff, wherein upon first and second registration of mobile during handoff, routing communication content on behalf of the mobile node to second address for delivery to mobile node;

U.S. Patent Number 6256300 teaches mobility management for handoff;

U.S. Patent Number 6137791 teaches roaming of mobile within an incompatible network;

U.S. Patent Number 6590905 teaches changing parameters during connections;

U.S. Patent Number 6466556 teaches handoff of packet data flow.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 703-305-1500. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 703-308-5340. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

A handwritten signature in black ink, appearing to be 'AI' followed by a stylized flourish.

AI
September 30